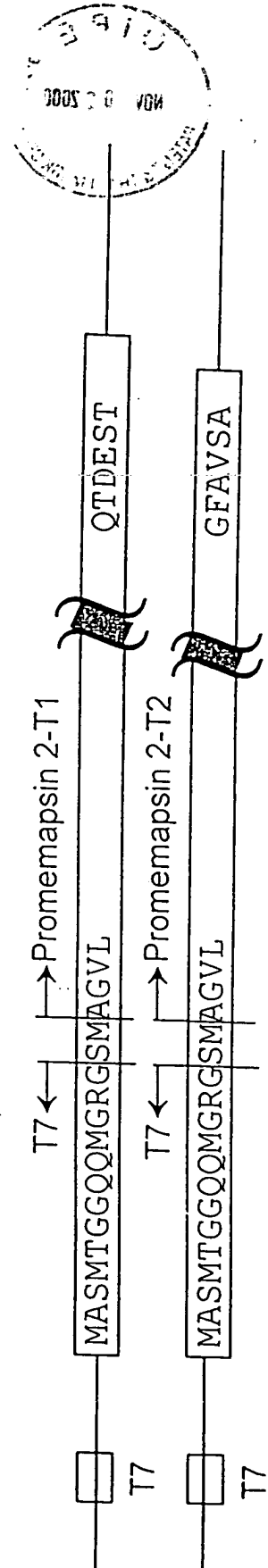


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSLGGAP LGLRLPRETD
36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPQTL NILVDTGSSN
38 FAVGAAPHF LHRYYQRQLS STYRDLRKG VVPYTQGWKE GELGTDLVSI
88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLEPFF
138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG GIDHSLYTGS
188 LWYTPIRREW YVEVIVRVE INGQDLKMDK KEYNYDKSIV DSGTTNLRLP
238 KKVFEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTPW NIFPVISLYL
288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
338 MEGFYVVFD R ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP
388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS
438 LLK*



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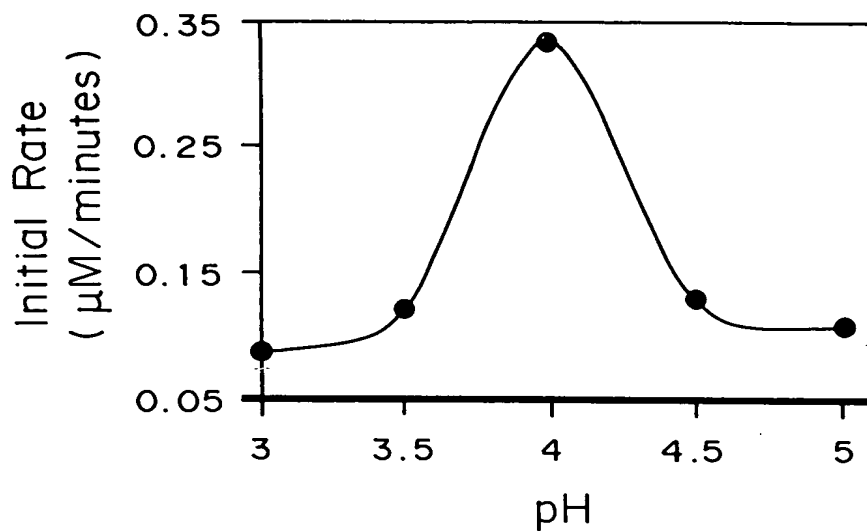
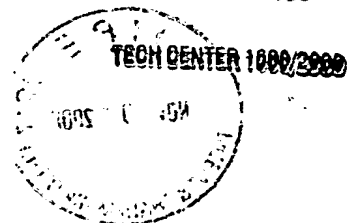


FIG. 2A

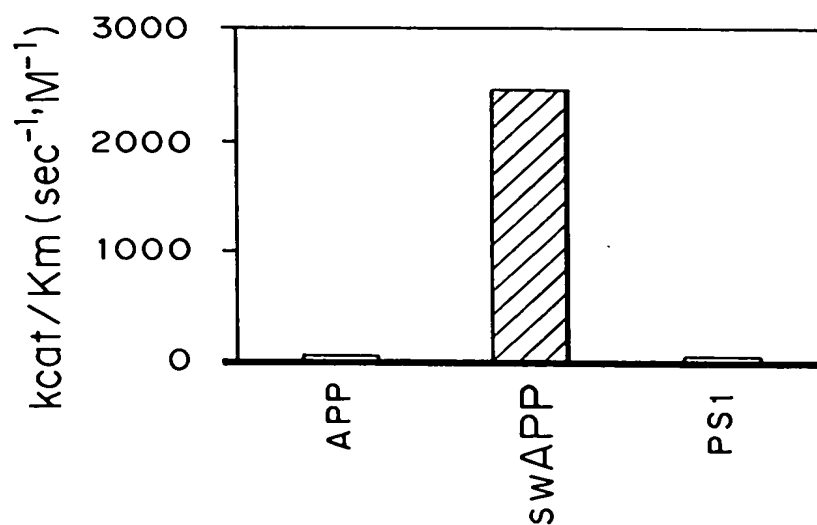


FIG. 2B

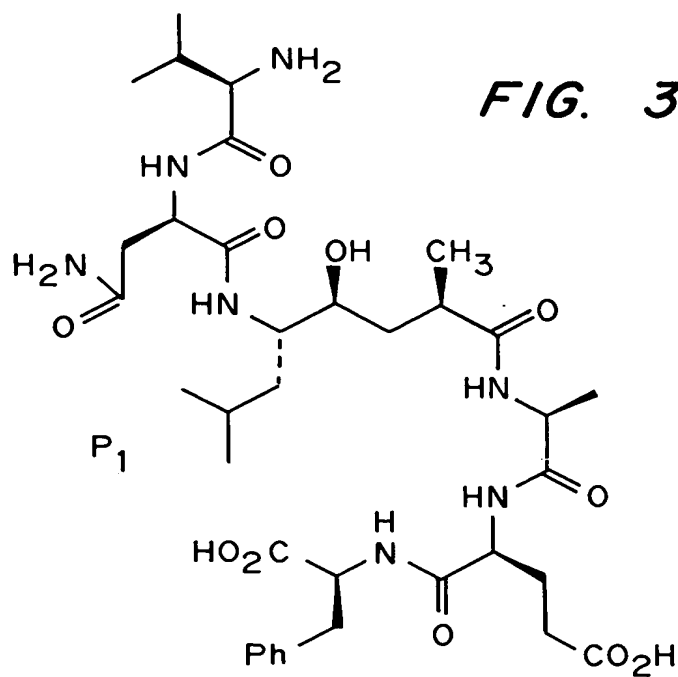


FIG. 3A

OM99-1

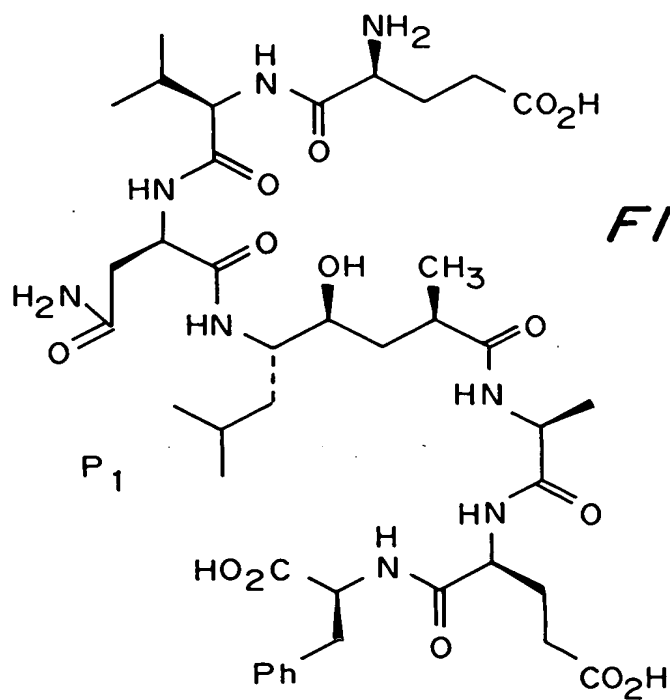
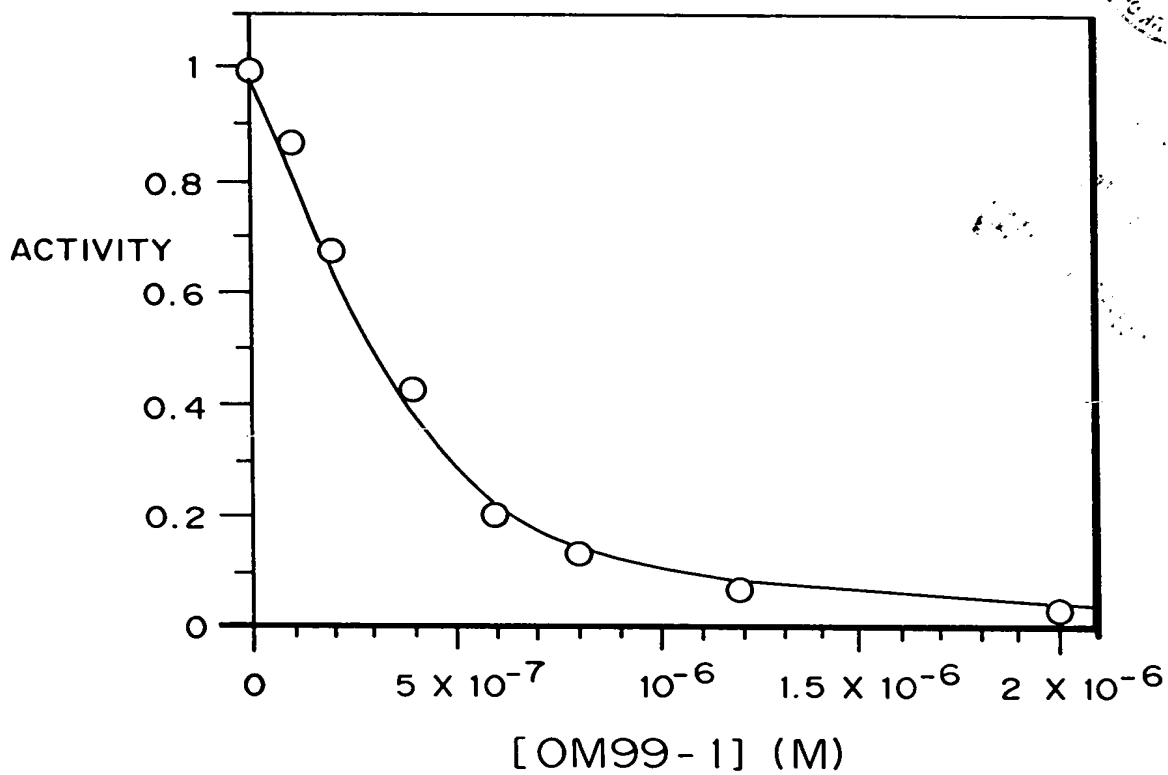


FIG. 3B

OM99-2



FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

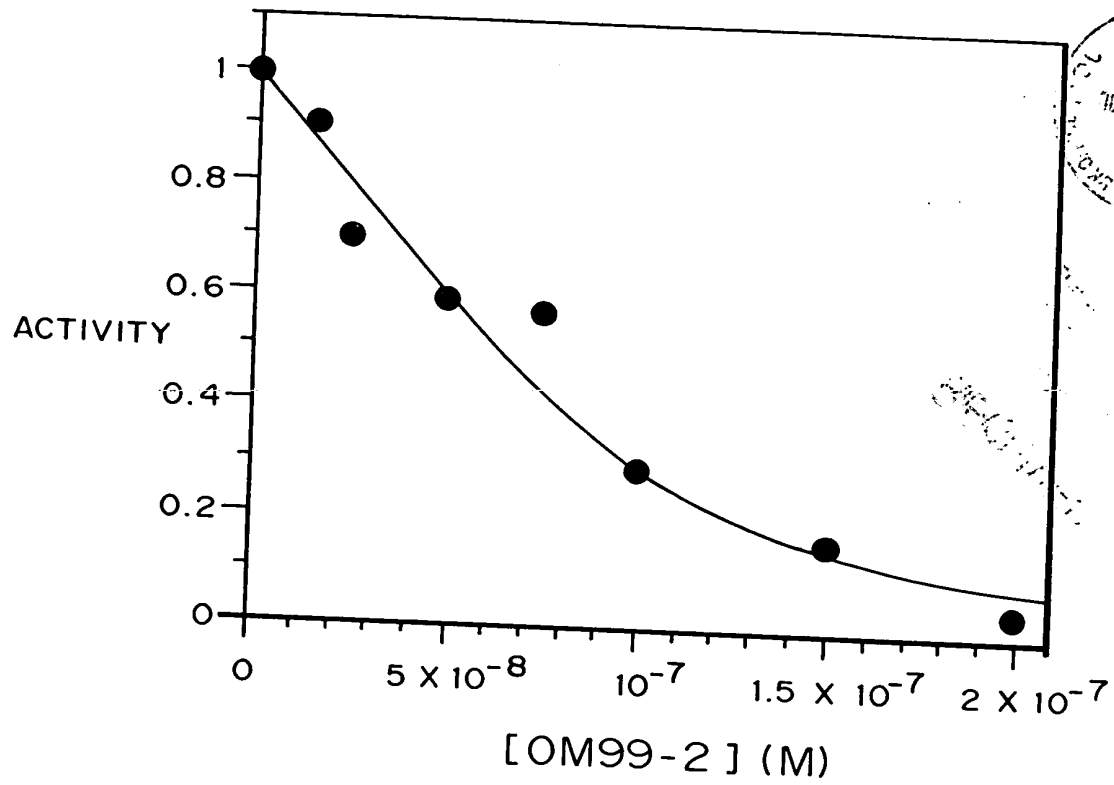
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84 e - 8	2.72 e - 9

FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

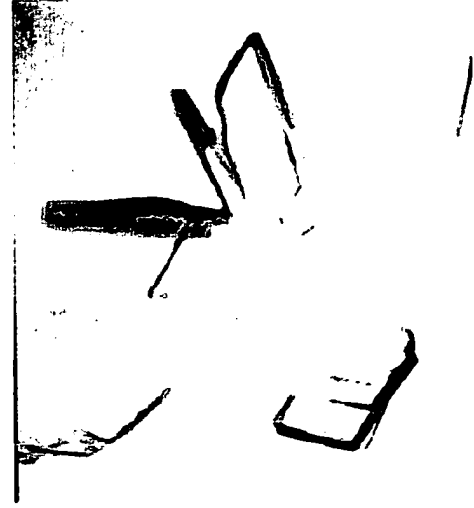
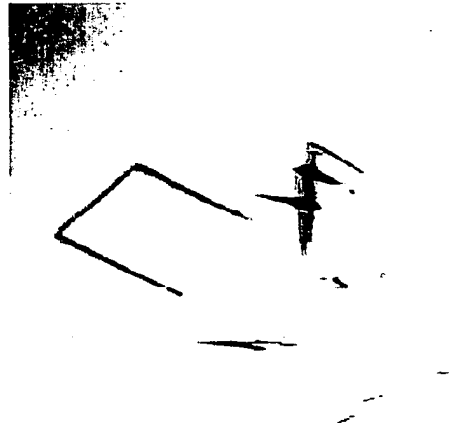
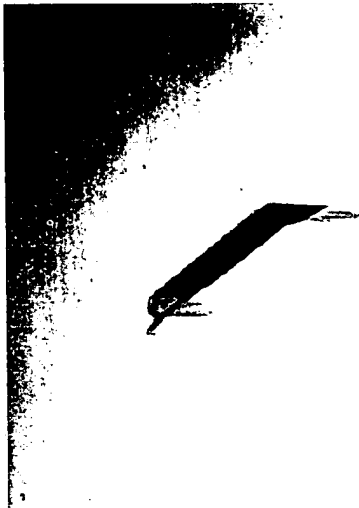


FIG. 5

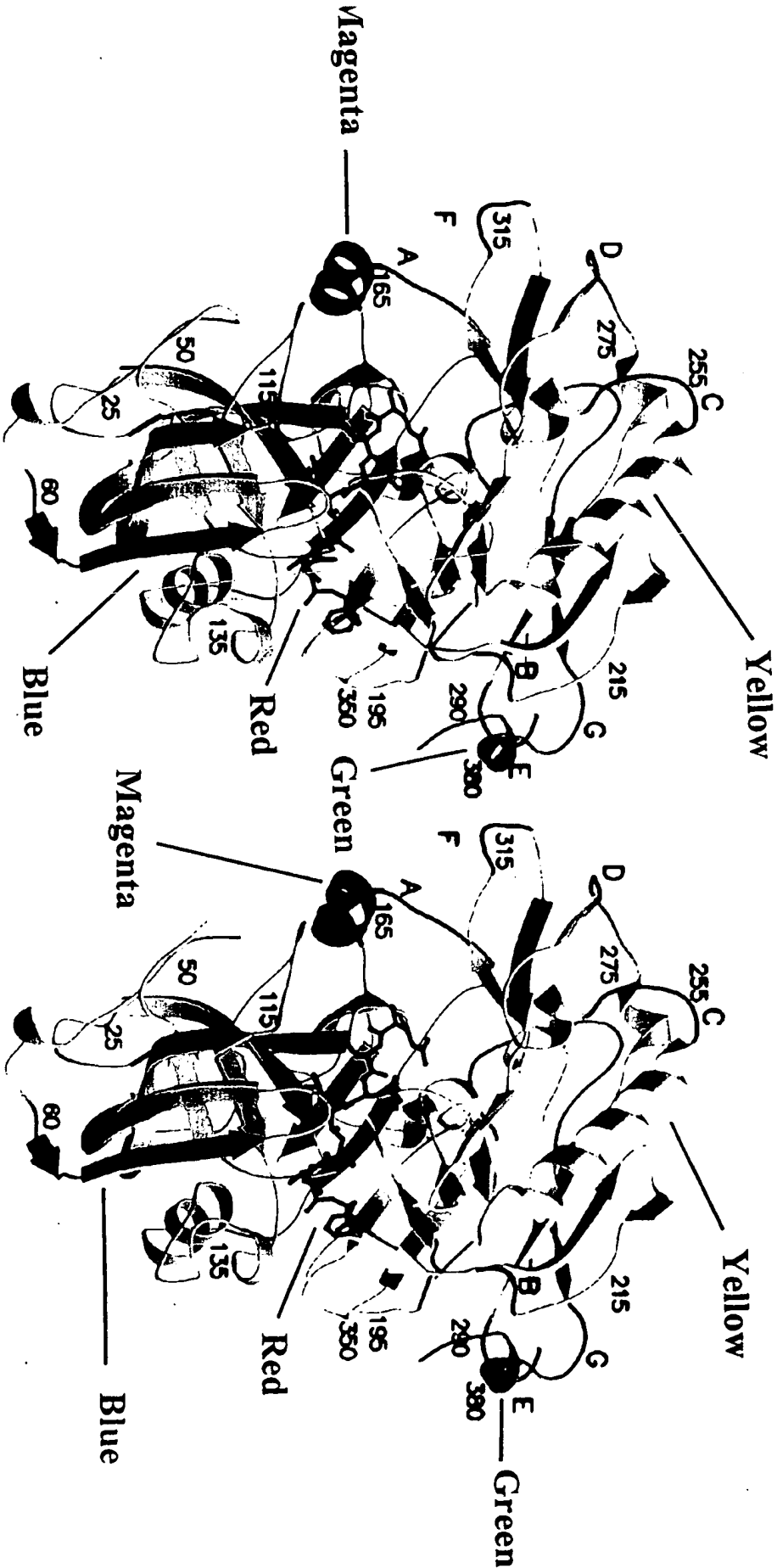


FIG. 6

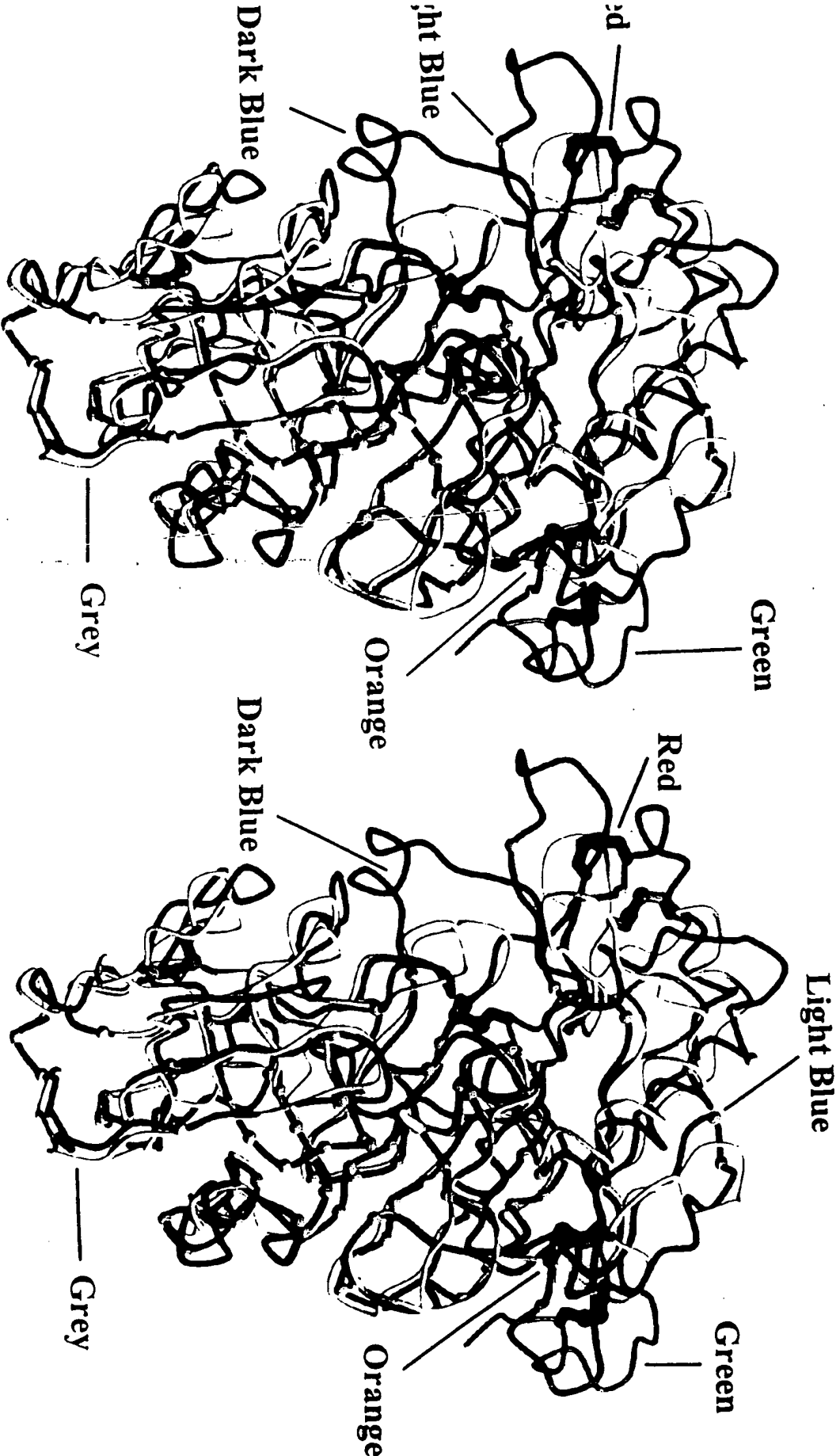


FIG. 7



FIG 8

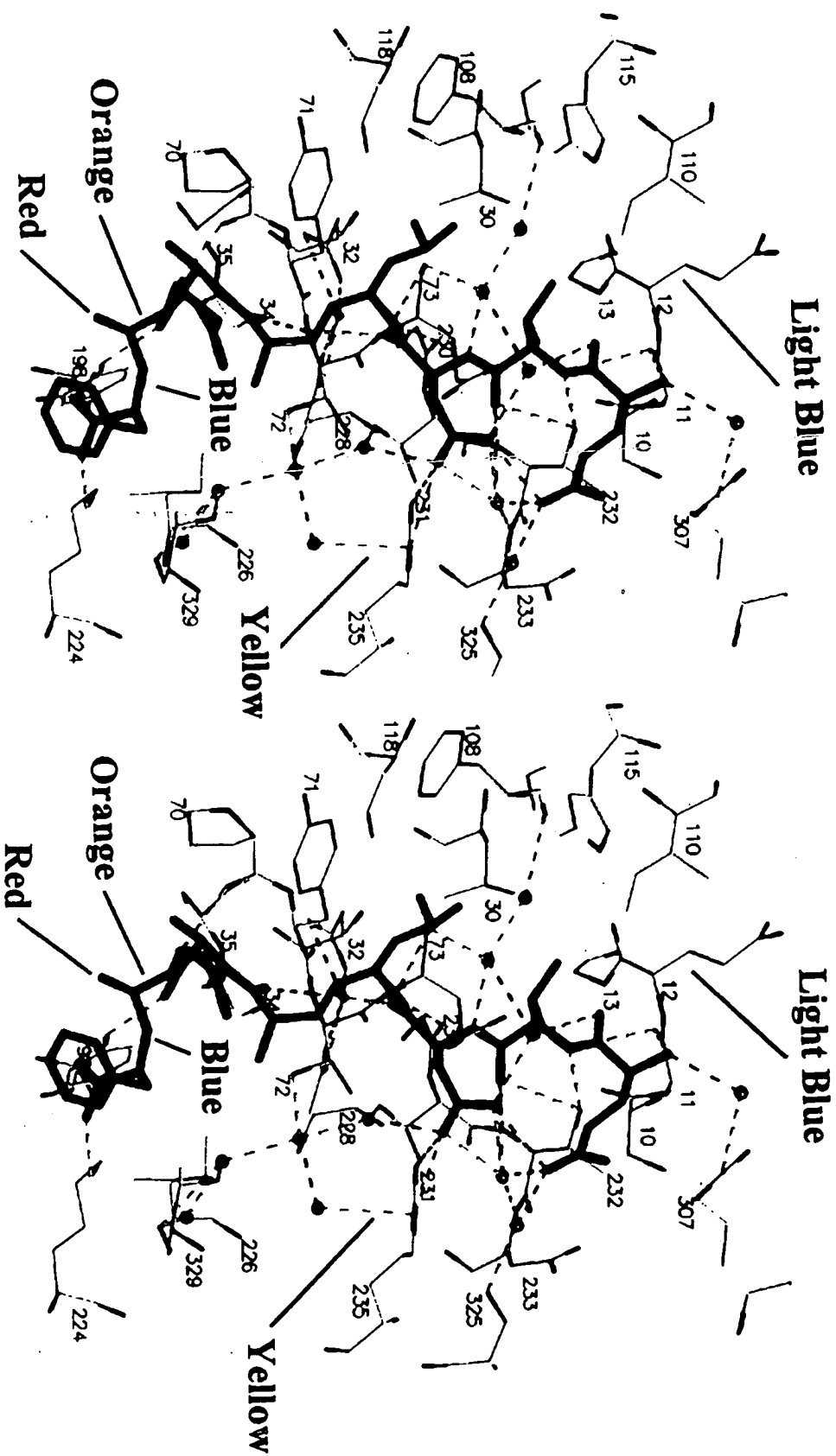
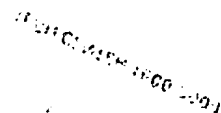


FIG. 9



2500

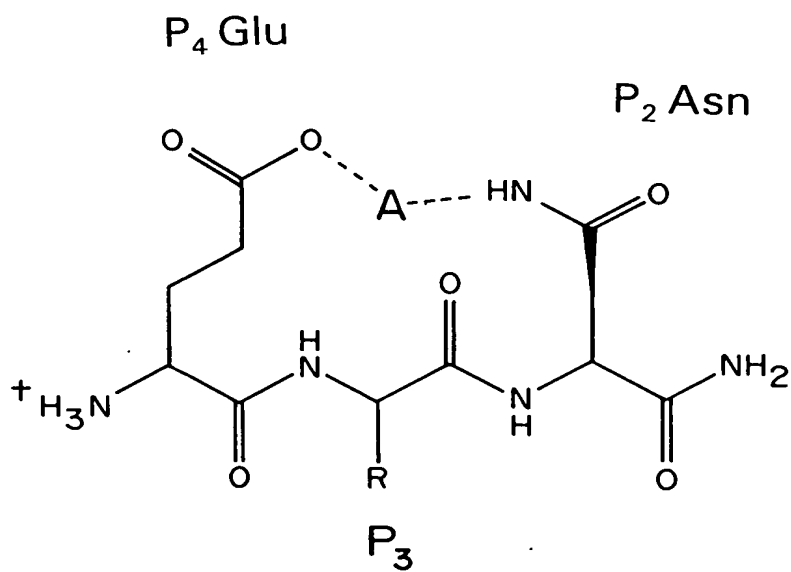


FIG. 11

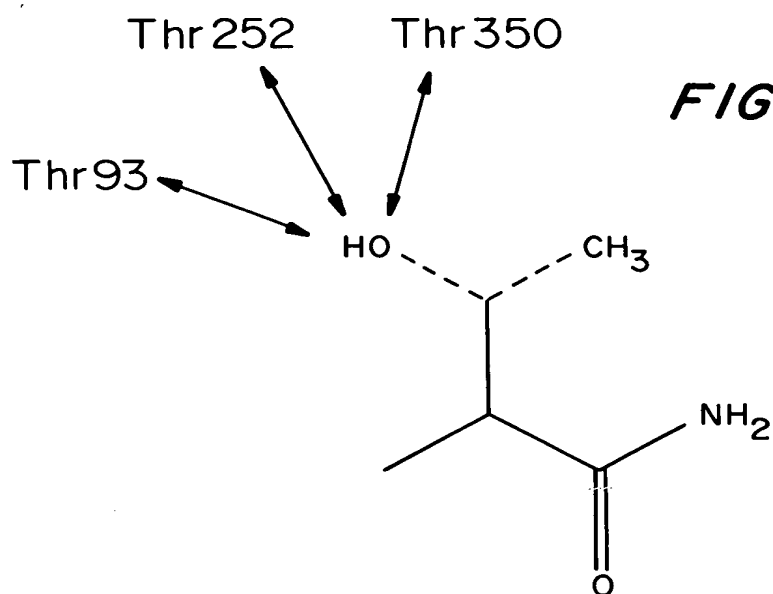
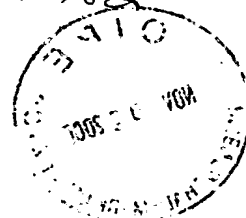


FIG. 12

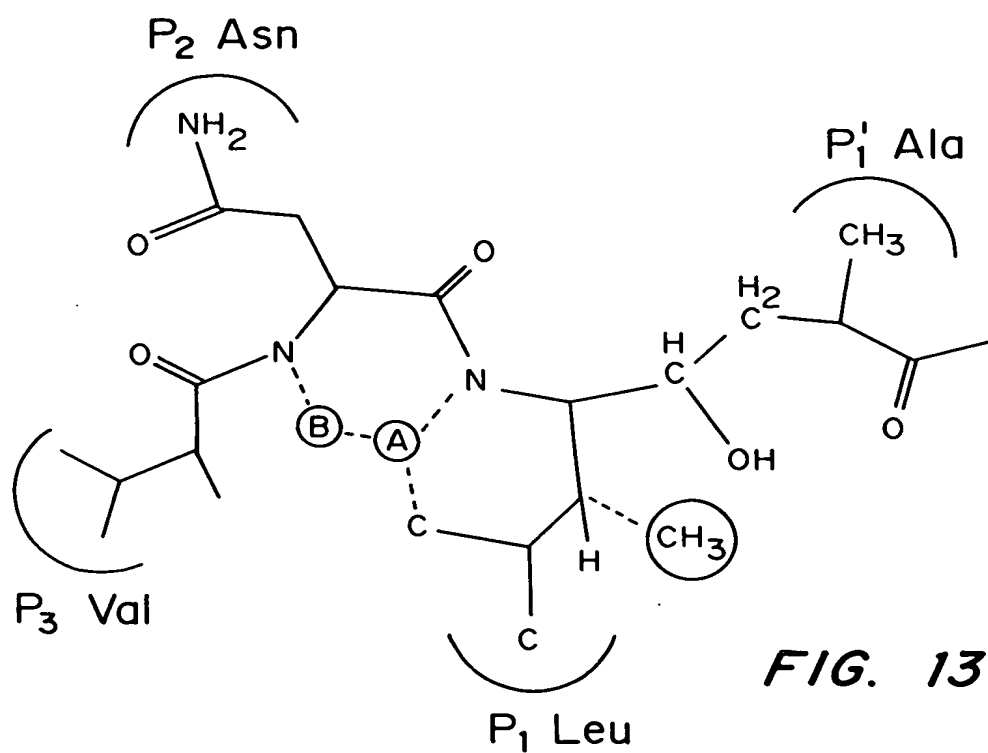


FIG. 13